

Approved Minutes
IEEE P802.3bj 100 Gb/s Backplane and Copper Cable Task Force
Plenary Meeting
July 16-17, 2013
Geneva, Switzerland
Prepared by Kent Lusted

Table of Contents

Table of Contents.....	1
IEEE 802.3bj Task Force Meeting – 16 July 2013:	2
IEEE 802.3bj Task Force Meeting – 17 July 2013:	5
Open Action Items:.....	8
Open Ad Hocs:.....	9
Attendees	10

IEEE 802.3bj Task Force Meeting – 16 July 2013:

Prepared by Kent Lusted

IEEE P802.3bj Task Force interim meeting convened at 9:16 am, Tuesday, 16 July 2013, by Adam Healey, IEEE P802.3bj Task Force Chair.

Agenda & General Information

By – Adam Healey

See -- http://www.ieee802.org/3/bj/public/jul13/agenda_3bj_01a_0713.pdf

- Chair reviewed the agenda.
- Introductions – Everyone introduced themselves and stated their affiliation.

One presentation unrelated to comment resolution will be discussed prior to closing business. See http://www.ieee802.org/3/bj/public/jul13/tracy_3bj_01a_0713.pdf Presentation is subject to time availability.

No communications or liaisons were received or assigned in plenary.

Motion #1:

Move to approve the agenda

- Moved by: Mrs. Beth Kochuparambil
- Second by: Mr. Kent Lusted
- Pass by voice without opposition

Motion #2:

Move to approve the May 2013 minutes with corrections as noted by Kent Lusted

- Moved by: Mrs. Beth Kochuparambil
- Second by: Rich Mellitz
- Pass by voice without opposition

Chair asked if there were any members of the press in the room. No one responded.

Chair continued with the introductory presentation.

- Goals for the meeting: respond to comments received in Work Group ballot
- Reminder that draft is posted for attendee review only, not for redistribution.

Chair reminds attendees to sign into IMAT and to sign book. Update affiliation, if necessary.

Chair displays the Bylaws and Rules slides in
http://www.ieee802.org/3/bj/public/jul13/agenda_3bj_01a_0713.pdf

IEEE Patent Policy: Chair read the patent policy text on the 4 slides contained in the agenda. Chair calls for potentially essential patents. No one responded. Chair read the Guidelines for IEEE-SA meetings.

Chair gives overview of the IEEE 802.3 Standards Process. To meet the timeline, the task force should make no substantive changes to the draft after Draft 2.2.

Reviewed open action items. Several open action items were closed, see [Open Action Items](#) for details.

No liaison and communications were received.

Reviewed adopted timeline in agenda.

Presentation #1

Title: Editor's report

By – Mr. Matt Brown

See - http://www.ieee802.org/3/bj/public/jul13/brown_3bj_01_0713.pdf

Mr. Brown, Chief Editor, announces a list of comments deemed non-controversial to be considered in a bucket motion. Task Force participants should review the list. Notify Mr. Healey or Mr. Brown for comments to be considered outside of the bucket motion.

Comment resolution begins, 9:51 a.m., 16 July 2013

Mr. Healey requested that Mr. Brown moderate the discussion of Presentation #2.

Presentation #2

Title: EEE deep sleep capability with XLAUI and CAUI (comment #110)

By – Mr. Adam Healey

See - http://www.ieee802.org/3/bj/public/jul13/healey_3bj_01_0713.pdf

Clarifying questions were asked and answered.

Break at 10:50 am. Resume at 11:05 am.

Comment resolution continues.

Break for lunch at 12:01pm. Resume at 1:17pm.

Reminder to sign into IMAT and sign the book.

Reminder for bucket motion. Mr. Healey reminds the task force that a list of comments deemed non-controversial will be considered in a bucket motion. Task Force participants should review the list. Notify Mr. Healey or Mr. Brown for comments to be considered outside of the bucket motion by lunch on Wednesday.

Presentation #3

Title: COM and TX specifications in support of comment 98

By – Mr. Charles Moore

See - http://www.ieee802.org/3/bj/public/jul13/moore_3bj_02a_0713.pdf

Clarifying questions were asked and answered. Discussion on 12mm and 35mm package impact to COM margin.

Break at 2:54 pm. Resume at 3:27 pm.

Presentation #4

Title: Package Representation Fine-Tuning

By: Mr. Liav Ben-Artzi

See -- http://www.ieee802.org/3/bj/public/jul13/benartzi_3bj_01_0713.pdf

Clarifying questions were asked and answered.

Comment resolution continues.

Presentation #5

Title: Accounting for transmitter noise in system budget (in support of comments #84, #87, #97)

By: Mr. Adee Ran

See -- http://www.ieee802.org/3/bj/public/jul13/ran_3bj_01a_0713.pdf

Presentation is different from the posted version. No objection from the task force.

ACTION ITEM: Adee Ran to send updated presentation for posting. DONE.

Updated presentation from Adee Ran has been posted.

Comment resolution continues.

Approximately 54 comments remain outside of the bucket list.

Wednesday meeting will start at 9am.

Break for the day at 6:38pm.

IEEE 802.3bj Task Force Meeting – 17 July 2013:

Prepared by Kent Lusted

IEEE P802.3bj Task Force interim meeting resumed at 9:10 am, Wednesday, 17 July, 2013, by Mr. Adam Healey, IEEE P802.3bj Task Force Chair.

Patent Policy: Chair displays patent slides and asked if anyone was unfamiliar with the content. No one responded. Chair calls for potentially essential patents. No response. Chair displays guidelines slides.

Reminder to sign IMAT and sign book.

Comment resolution resumes.

Presentation #6

Title: 802.3bj D2.1 Transmitter output jitter specification for NRZ PMDs

By: Mr. Pavel Zivny

See -- http://www.ieee802.org/3/bj/public/jul13/zivny_3bj_01a_0713.pdf

Presentation is different from the posted version. No objection from the task force. Clarifying questions were asked and answered.

ACTION ITEM: Pavel Zivny to send updated presentation for posting. DONE.

Updated presentation from Pavel Zivny has been posted.

Break at 10:35 am. Resume at 10:52 am.

Reminder for bucket motion. The task force should review the list of comments deemed non-controversial that will be considered in a bucket motion. Task Force participants should review the list. Notify Mr. Healey or Mr. Brown for comments to be considered outside of the bucket motion by lunch today.

Reminder to sign into IMAT and sign the book.

Presentation #7

Title: Measuring Transmitter equalization filter coefficients at the end of a channel with loss

By: Mr. Charles Moore

See -- http://www.ieee802.org/3/bj/public/jul13/moore_3bj_01_0713.pdf

Clarifying questions were asked and answered.

Reminder for bucket motion. The task force should review the list of comments deemed non-controversial that will be considered in a bucket motion. Task Force participants should review the list. Notify Mr. Healey or Mr. Brown for comments to be considered outside of the bucket motion by afternoon break (~3pm) today.

Material from Nathan Tracy is posted for TF review and will be considered before closing business.

Break for lunch at 12:10pm. Resume at 1:23pm.

Reminder to sign IMAT and book.

Reminder for bucket motion. The task force should review the list of comments deemed non-controversial that will be considered in a bucket motion. Task Force participants should review the list. Notify Mr. Healey or Mr. Brown for comments to be considered outside of the bucket motion by afternoon break (~3pm) today. No requests have been received so far.

Presentation from Piers Dawe (see http://www.ieee802.org/3/bj/public/jul13/dawe_3bj_01_0713.pdf) was displayed and discussed in regards to comment resolution of comments #130 and #143.

Break at 2:45 pm. Resume at 3:13 pm.

Comment resolution continues.

Chair received a late presentation reflecting consensus on how to respond to some COM-related comments. Chair asked if there was any opposition to hearing the late presentation. None responded.

Presentation #8

Title: Consensus building proposal for matching COM, TX and RX specifications

By: Mr. Adee Ran

See – http://www.ieee802.org/3/bj/public/jul13/ran_3bj_02_0713.pdf

Clarifying questions were asked and answered.

No requests to pull a comment from the bucket motion have been received by the Chair.

Comment resolution, except for bucket worthy, is complete.

Presentation #9

Title: 1m Backplane Channels Using Standard and Embedded Capacitor Connectors

By: Mr. Nathan Tracy

See – http://www.ieee802.org/3/bj/public/jul13/tracy_3bj_01a_0713.pdf

Clarifying questions were asked and answered.

Future Meetings

- See: <http://www.ieee802.org/3/interims/index.html>
- Sept 2013 Interim (hosted by ADVA)
 - Week of Sept 2 (Tuesday-Thursday for 802.3bj)
 - York, UK
- Nov 2013 Plenary
 - Week of Nov 10
 - Dallas, TX, USA

- Jan 2014 Interim (hosted by Xilinx)
 - Week of January 20
 - Indian Wells, CA, USA

Anyone interested in hosting a meeting should contact the Chair.

Motion #3 (5:17 pm)

- Move to:
 - Adopt proposed responses to remaining “non-controversial” comments as indicated in brown_3bj_01_0713.pdf
 - Generate Draft 2.2 for WG recirculation from Draft 2.1 and closed comments
- M: Mrs. Beth Kochuparambil
- S: Mr. Kent Lusted
- Technical ($\geq 75\%$)
- Yes: 15 , No: 0 , Abstain: 0
- Result: PASSES

Attendance straw poll:

I will attend the IEEE P802.3bj interim in York, UK September 3 through 5, 2013

- Yes: 9, Maybe Yes: 4, Maybe No: 2, No: 1 Room Count: 16

Agenda is complete.

Motion #4:

Move to adjourn.

- M: Mr. Hugh Barrass
- S: Mr. Rich Mellitz
- Passes by voice without opposition.

Meeting ends at 5:20pm.

Open Action Items:

Volunteer	Action	Date Assigned	Status
Task Force Channel Submitters	Correlate their submitted channels against informative channel models and COM results.	26 September 2012	Ongoing
Adee Ran, Brandon Gore	Update COM within 2 weeks based on accepted responses to Draft 2.0 comments.	14 May 2013	Completed
Mark Bugg	Provide cable channels that fail COM to the task force.	14 May 2013	Completed

Open Ad Hoc:

Volunteer	Action	Date Assigned	Status
Charles Moore, Mike Dudek	Run ad hoc for RX tests for all 3 PMDs.	22 January 2013	Closed
Chris Diminico	Run ad hoc to harmonize electrical cable and transmitter parameters for Clause 92.	26 September 2012	Closed

Attendees

IEEE 802.3bj 100Gb/s Cu & BP TF, July 2013 plenary			16-Jul-13	17-Jul-13
Last Name	First Name	Affiliation	Tuesday	Wednesday
Barrass	Hugh	Cisco	X	X
Ben-Artzi	Liav	Marvell	X	X
Bliss	Will	Broadcom		X
Brown	Matt	Applied Micro	X	X
De Geest	Jan	FCI	X	X
DiMinico	Christopher	MC Communications/Panduit	X	X
Healey	Adam	LSI	X	X
Hidaka	Yasuo	Fujitsu Lab of America	X	X
Kochuparambil	Elizabeth	Cisco Systems	X	X
Lackner	Hans	QoSCom	X	
Law	David	HP	X	
LeCheminant	Greg	Agilent Technologies	X	
Li	Shaohua	Brocade	X	X
Liu	Zhenyu	Marvell Semiconductor	X	X
Lusted	Kent	Intel	X	X
Mellitz	Richard	Intel	X	X
Moore	Charles	Avago Technologies	X	X
Parthasarathy	Vasudevan	Broadcom		X
Ran	Adee	Intel	X	X
Shah	Sameer	Broadcom	X	X
Szczepanek	Andre	Inphi	X	
Tsutsumi	Satoshi	Hitachi		X
Zivny	Pavel	Tektronix	X	X